

WHAT IS CLAIMED IS:

1. An apparatus for attaching electrical components to a vehicle, said apparatus comprising:

a rear floor pan positionable behind a seat, said rear floor pan including a transversely positioned U-shaped part aligned on a center axis of the vehicle;

floor pan wing panels extending from sides of said U-shaped part, said floor pan wing panels being connectable to side panels of the vehicle;

an electrical component mounting rack comprising a first frame fixedly attached to said U-shaped part of said rear floor pan, and a second frame fixedly attached to a top of said first frame and to said floor pan wing panels;

an electrical inverter device mounted to said first frame; and

electrical batteries mounted to said second frame.

2. The apparatus according to claim 1, further comprising:

an approximately C-shaped battery stay having two ends attached to a battery tray, said battery stay being positioned over said batteries; and

battery hold-down rails that are positioned above said batteries and are attached to said battery stay.

3. An apparatus for attaching electrical components to a vehicle, said apparatus comprising:

a floor pan comprising a substantially U-shaped member positioned along a central axis of the vehicle;

floor pan wing panels extending from lateral sides of said U-shaped member, said floor pan wing panels being attachable to side panels of the vehicle;

an electrical component mounting rack comprising a first frame attached to said U-shaped member of said floor pan, and a second frame attached to a top side of said first frame and to said floor pan wing panels; and

an electrical inverter device mounted to said first frame,

wherein said second frame is configured to support at least one battery.

4. The apparatus according to claim 3, further comprising:

a battery tray;

a battery stay attached to said battery tray, said battery stay extending over said at least one battery; and

a battery hold-down rail positioned above said at least one battery.

5. The apparatus according to claim 4, wherein said battery hold-down rail is attached to said battery stay.

6. The apparatus according to claim 4, wherein said battery stay is substantially C-shaped.

7. The apparatus according to claim 4, said second frame further comprising a cross brace connected to said battery stay.

8. The apparatus according to claim 3, said first frame first comprising a plurality of connecting members.

9. The apparatus according to claim 3, wherein said floor pan is positioned behind a seat of the vehicle.